

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-37 (Canceled).

Claim 38 (New): A device for measuring radiant energy comprising:
a carrier including first means allowing absorption of radiant energy, and second
means enabling provision of one or more electric signals in relation to the absorbed radiant
energy; and

a substrate including reading means for reading the electric signals, the carrier being
mobile relative to the substrate.

Claim 39 (New): A device for measuring radiant energy according to claim 38, the
reading means being fixed.

Claim 40 (New): A device for measuring radiant energy according to claim 38, the
reading means being mobile.

Claim 41 (New): A device for measuring radiant energy according to claim 40, the
first means and the reading means being mobile.

Claim 42 (New): A device for measuring radiant energy according to claim 38,
configured to take up a position in which the second means is not electrically connected to
the reading means.

Claim 43 (New): A device for measuring radiant energy according to claim 38, configured to take up a position in which the substrate and the carrier are connected or attached solely by insulating zones belonging to the carrier or/and the substrate.

Claim 44 (New): A device for measuring radiant energy according to claim 38, configured to take up a position in which the carrier is neither attached to nor in contact with the substrate.

Claim 45 (New): A device for measuring radiant energy according to claim 44, configured to take up a position in which the carrier is in levitation with respect to the substrate.

Claim 46 (New): A device for measuring radiant energy according to claim 42, the position being a position in which the device is configured to take a measurement.

Claim 47 (New): A device for measuring radiant energy according to claim 42, the position being a position in which the first means is configured to heat.

Claim 48 (New): A device for measuring radiant energy according to claim 42, configured to take up at least one other position in which the second means is electrically connected to the reading means.

Claim 49 (New): A device for measuring radiant energy according to claim 43, configured to take up at least one other position in which conductor zones of the carrier are in contact with other conductor zones of the substrate.

Claim 50 (New): A device for measuring radiant energy according to claim 42, configured to take up at least one other position in which conductor zones of the carrier are in contact with the reading means of the substrate.

Claim 51 (New): A device for measuring radiant energy according to claim 48, the other position being a position in which the reading means is configured to acquire the electric signals.

Claim 52 (New): A device for measuring radiant energy according to claim 48, the other position being a position in which the first means is configured to cool.

Claim 53 (New): A device for measuring radiant energy according to claim 38, the substrate and the carrier being mechanically attached or linked.

Claim 54 (New): A device for measuring radiant energy according to claim 53, the carrier being attached to the substrate by suspending means.

Claim 55 (New): A device for measuring radiant energy according to claim 54, the suspending means being flexible.

Claim 56 (New): A device for measuring radiant energy according to claim 54, the suspending means being in a thermal insulating material.

Claim 57 (New): A device for measuring radiant energy according to claim 38, the substrate and the carrier being mechanically independent.

Claim 58 (New): A device for measuring radiant energy according to claim 38, further comprising:

actuating means for enabling displacement of the first means with respect to the reading means.

Claim 59 (New): A device for measuring radiant energy according to claim 58, the actuating means enabling displacement of the carrier.

Claim 60 (New): A device for measuring radiant energy according to claim 58, the actuating means enabling displacement of the reading means.

Claim 61 (New): A device for measuring radiant energy according to claim 58, the actuating means being at least partly thermomechanical, or piezoelectric, or electromagnetic, or electrostatic.

Claim 62 (New): A device for measuring radiant energy according to claim 58, the actuating means including one or more electrodes belonging to the carrier or/and one or more electrodes belonging to the substrate.

Claim 63 (New): A device for measuring radiant energy according to claim 58, wherein the actuating means is piezoelectric, the reading means being configured to lengthen to enter into contact with the carrier.

Claim 64 (New): A device for measuring radiant energy according to claim 38, the reading means being formed of one or more conductor pads.

Claim 65 (New): A device for measuring radiant energy according to claim 38, the substrate including one or more circuits for processing the electric signals.

Claim 66 (New): A device for measuring radiant energy according to claim 38, the substrate including one or more circuits enabling polarization of the second means.

Claim 67 (New): A device for measuring radiant energy according to claim 38, the first means being formed of at least one absorbing layer of electromagnetic radiation.

Claim 68 (New): A device for measuring radiant energy according to claim 38, the second means being formed of at least one semi-conductive or metal layer.

Claim 69 (New): A device for measuring radiant energy according to claim 68, wherein the second means is formed of at least one semi-conductive layer, the semi-conductive layer adjoining or being integrated in the first means.

Claim 70 (New): A device for measuring radiant energy according to claim 38, the second means including one or more thermistors.

Claim 71 (New): A device for measuring radiant energy according to claim 38, the substrate further including a layer enabling reflection of the electromagnetic rays.

Claim 72 (New): A device for measuring radiant energy according to claim 38, the substrate being a semiconductor.

Claim 73 (New): A device for measuring radiant energy according to claim 38, the device for measuring radiant energy being made in thin layers.

Claim 74 (New): A MEMS comprising the device according to claim 38.